10/696749

STN Search
by Prim Ex'r
PNazario-Gonzalez
8/1/07

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      (FILE 'HOME' ENTERED AT 18:04:13 ON 01 AUG 2007)

      FILE 'CAPLUS' ENTERED AT 18:04:30 ON 01 AUG 2007

=> s hydrogenation catalyst
        177012 HYDROGENATION
        770411 CATALYST
L1       20061 HYDROGENATION CATALYST
                (HYDROGENATION(W)CATALYST)

=> s l1 and palladium
        169270 PALLADIUM
L2        4065 L1 AND PALLADIUM

=> s l2 and Thalllium
             0 THALLLIUM
L3           0 L2 AND THALLLIUM

=> s l2 and Thallium
         52249 THALLIUM
L4          18 L2 AND THALLIUM

=> s l4 and support
        492510 SUPPORT
L5           6 L4 AND SUPPORT

=> d 1-6 bib abs

L5   ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2007 ACS on STN
AN   2005:394789  CAPLUS
DN   142:430690
TI   Chemoselective hydrogenation catalyst for the removal
     of acetylene from ethylene streams
IN   Rokicki, Andrezej; Boyer, Jennifer A.; Blankenship, Steven A.
PA   Sud-Chemie, Inc., USA
SO   U.S. Pat. Appl. Publ., 6 pp.
     CODEN: USXXCO
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND  DATE        APPLICATION NO.         DATE
     --------------      ----  --------    --------------------    --------
PI   US 2005096217        A1   20050505    US 2003-696749          20031029
     WO 2005044762        A1   20050519    WO 2004-US28605         20040902
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
PRAI US 2003-696749       A    20031029
AB   A process for the chemoselective hydrogenation of acetylene during
     ethylene purification utilizing a palladium-thallium
     -impregnated catalyst is described.

L5   ANSWER 2 OF 6  CAPLUS  COPYRIGHT 2007 ACS on STN
AN   2002:654372  CAPLUS
DN   137:203008
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TI Process for preparing heptafluorocyclopentane
IN Takada, Naokado; Hirotsu, Miki; Komata, Takeo
PA Nippon Zeon Co., Ltd., Japan; Central Glass Co., Ltd.
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | JP 2002241325 | A | 20020828 | JP 2001-36029 | 20010213 |
| PRAI | JP 2001-36029 | | 20010213 | | |

AB In the hydrogenation of 1,1,2-trichloroheptafluorocyclopentane to prepare 1,1,2,2,3,3,4-heptafluorocyclopentane, the hydrogenation catalyst is group VIII metal. Hydrogenation of 1,1,2-trichloroheptafluorocyclopentane in the presence of Pd on carbon under hydrogen at 300° gave 1,1,2,2,3,3,4-heptafluorocyclopentane.

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1999:691068 CAPLUS
DN 131:288022
TI Hydrogenation method and catalysts for purifying aliphatic aminonitriles from dinitrile impurities
IN Brunelle, Jean-Pierre; Leconte, Philippe; Marion, Philippe
PA Rhodia Fiber and Resin Intermediates, Fr.
SO PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 9954285 | A1 | 19991028 | WO 1999-FR862 | 19990413 |
| | W: BR, BY, CA, CN, CZ, ID, IN, JP, KR, PL, RO, RU, SG, SK, UA, US, VN | | | | |
| | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | FR 2777562 | A1 | 19991022 | FR 1998-5044 | 19980416 |
| | FR 2777562 | B1 | 20020719 | | |
| | TW 239943 | B | 20050921 | TW 1999-88105642 | 19990409 |
| | CA 2328767 | A1 | 19991028 | CA 1999-2328767 | 19990413 |
| | BR 9909686 | A | 20001219 | BR 1999-9686 | 19990413 |
| | EP 1071657 | A1 | 20010131 | EP 1999-913398 | 19990413 |
| | EP 1071657 | B1 | 20030820 | | |
| | R: BE, DE, ES, FR, GB, IT, NL | | | | |
| | JP 2002512215 | T | 20020423 | JP 2000-544626 | 19990413 |
| | RU 2222525 | C2 | 20040127 | RU 2000-128719 | 19990413 |
| | ES 2200514 | T3 | 20040301 | ES 1999-913398 | 19990413 |
| | IN 2000DN00298 | A | 20070209 | IN 2000-DN298 | 20001030 |
| | US 6559333 | B1 | 20030506 | US 2001-673299 | 20010125 |
| PRAI | FR 1998-5044 | A | 19980416 | | |
| | WO 1999-FR862 | W | 19990413 | | |

AB A method for purifying aliphatic aminonitriles (e.g., 6-aminocapronitrile) consists in subjecting the aminonitrile to hydrogenation in the presence of a supported catalyst containing at least a metal selected from palladium, platinum, ruthenium, osmium, iridium, rhodium, and with the addition of a promoting or preconditioning agent (i.e., thiols, phosphites, trialkyl phosphates, carbon monoxide, etc.) to improve the selectivity of the hydrogenation.
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1999:438756 CAPLUS
DN 131:58408

TI Preparation of a catalyst for the hydrogenation of organic functional groups
IN Didillon, Blaise; Le Peltier, Fabienne
PA Institut Francais du Petrole, Fr.
SO Fr. Demande, 13 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | FR 2770518 | A1 | 19990507 | FR 1997-13688 | 19971031 |
| | FR 2770518 | B1 | 19991210 | | |
| | US 6294696 | B1 | 20010925 | US 1998-182635 | 19981030 |
| PRAI | FR 1997-13688 | A | 19971031 | | |

OS MARPAT 131:58408
AB Aromatic or nonarom. aldehydes, ketones, carboxylate esters, carboxylic acids, and nitro groups (e.g., nitrobenzene) are hydrogenated to the corresponding alcs. or amines (e.g., aniline), resp., by contacting the hydrogenatable compound with hydrogen at 10-800°/0.1-10 MPa in the presence of a catalyst system containing ≥1 support(s) (e.g., alumina), ≥1 Group VIII metal(s) (e.g., Rh), and ≥1 element(s) chosen from Ge, Sn, Pb, Re, Ga, In, Au, Ag, and Tl which is(are) introduced into the catalyst in the form of an organometallic compound (e.g., tributyltin acetate) in an aqueous solution

L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1995:538288 CAPLUS
DN 122:268641
TI Catalysts for hydrogenation of unsaturated hydrocarbons
IN Le Peltier, Fabienne; Didillon, Blaise; Sarrazin, Patrick; Boitiaux, Jean-paul
PA Institut Francais du Petrole, Fr.
SO Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | EP 623387 | A1 | 19941109 | EP 1994-400890 | 19940425 |
| | EP 623387 | B1 | 19980902 | | |
| | EP 623387 | B2 | 20010816 | | |
| | R: AT, BE, DE, ES, FR, GB, GR, IT, NL | | | | |
| | FR 2704865 | A1 | 19941110 | FR 1993-5554 | 19930506 |
| | FR 2704865 | B1 | 19950721 | | |
| | AT 170424 | T | 19980915 | AT 1994-400890 | 19940425 |
| | JP 07002702 | A | 19950106 | JP 1994-94170 | 19940506 |
| | JP 3548868 | B2 | 20040728 | | |
| PRAI | FR 1993-5554 | A | 19930506 | | |

AB The title catalysts, useful for the hydrogenation of alkynes, alkenes, and aromatic compds., contain a support, ≥1 Group VIII metal (e.g., Pd), and ≥1 addnl. metal (e.g., Sn, Ge, and/or W) which is introduced as an organic compound (e.g., Bu4Sn) in a dilute solution

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1974:496794 CAPLUS
DN 81:96794
TI Catalyst for hydrogenation of organic compounds containing palladium on a support
IN Sokol'skii, D. V.; Popov, N. I.; Malkina, N. Ya.; Plakidin, V. L.; Rashevskaya, S. T.; Rostovtseva, E. V.; Palyanichko, L. G.
PA Kazakh Chemical Technological Institute
SO U.S.S.R.

From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1973, 50(47), 12.
CODEN: URXXAF
DT Patent
LA Russian
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | SU 407571 | A1 | 19731210 | SU 1971-1717370 | 19711123 |
| PRAI | SU 1971-1717370 | A | 19711123 | | |

AB For increased activity of a Pd [7440-05-3] catalyst, 1 of the following promoting elements was added: In [7440-74-6], Y [7440-65-5], or Tl [7440-28-0]. Preferably 5-10 weight% of promoter was used.